

ATTORNEY DOCKE,
016295.0662
(DC-03006)

PATENT APPLICATION
09/800,042

IN THE CLAIMS

1. (Currently Amended): A system for monitoring resources within a build to order manufacturing facility comprising:

a remote monitoring system coupled to one or more pieces of equipment within the manufacturing facility, said pieces of equipment operable to produce build to order products;

~~the remote monitoring system communicatively coupled to a control center operable to display status information associated with using the one or more pieces of equipment; and~~

the monitoring system operable to determine an operating status of the one or more pieces of equipment relative to a ship criteria associated with producing the build to order products;

said remote monitoring system operable to consolidate real-time information relating to the operating status; and

the remote monitoring system communicatively coupled to a control center, said remote monitoring system operable to display substantially real-time status information associated with using the one or more pieces of equipment, wherein the status information indicates if a particular piece of equipment is fully functional or if the particular piece of equipment is inoperable.

2. (Original): The system of Claim 1 further comprising plural pieces of equipment operably associated with one or more locations within the manufacturing facility.

3. (Cancelled)

4. (Original): The system of Claim 1 further comprising one or more remote access terminals within the manufacturing facility operable to provide access to the remote monitoring system.

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5. (Original): The system of Claim 1 further comprising a simulator communicatively coupled to the remote monitoring system and operable to simulate allocating resources based on an error associated with the one or more pieces of equipment.

6. (Original): The system of Claim 1 further comprising a network interface communicatively coupled to one or more of the pieces of equipment and operable to communicate information in real-time to provide the operating status associated with the one or more pieces of equipment.

7. (Original): The system of Claim 1 further comprising a process monitor operable to monitor a process that uses the one or more pieces of equipment.

8. (Currently Amended): A method for monitoring resources within a build to order manufacturing facility, the method comprising:

accessing information resources for selective portions of a manufacturing facility, said information the resources associated with one or more pieces of equipment, said equipment remotely located from a control center for the manufacturing facility and operable to produce build to order products, wherein said information resources provide substantially real-time data on operating status for the one or more pieces of equipment;

consolidating the substantially real-time information on the operating status in a remote monitoring system;

determining ~~an~~ operating status of the one ~~ore~~ or more pieces of equipment relative to a ship criteria associated with manufacturing the products, based on the substantially real-time data on operating status; and

displaying the determined operating status within a user interface of the control center, wherein the displayed operating status indicates if a particular piece of equipment is fully functional or if the particular piece of equipment is inoperable.

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9. (Currently Amended): The method of Claim 8 further comprising:
accessing a log to obtain information for monitoring the equipment;
automatically determining if an error has occurred with one of the pieces of equipment, based on the information obtained from the log;
notifying the control center of the error; and
automatically updating the displayed operating status for the piece of equipment in the control center, in response to determining that the error has occurred.
10. (Currently Amended): The method of Claim 9 further comprising:
determining a reallocation of resources within the facility using a by reference to one
or more WIP profiles;
reallocating the resources in response to the equipment encountering the error.
11. (Cancelled)
12. (Original): The method of Claim 8 further comprising automatically
reallocating resources upon determining an error associated with a malfunctioning piece of
equipment.
13. (Original): The method of Claim 12 further comprising routing product to a
different portion of the manufacturing facility in response to determining the error.
14. (Original): The method of Claim 8 further comprising associating a process
with the one or more pieces of equipment to provide a process monitor.
15. (Currently Amended): A medium-program product including encoded
logic for monitoring resources within a build to order manufacturing facility, the program
product comprising the logic operable to:
a computer-usable medium; and

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control logic encoded in the computer-usable medium, wherein the control logic, when executed, performs operations comprising:

access-obtaining substantially real-time data on operating status for one or more pieces of equipment in a manufacturing facility from information resources for selective portions of ~~a-the~~ manufacturing facility, said information ~~the~~ resources associated with the one or more pieces of equipment, said equipment remotely located from a control center for the manufacturing facility and operable to produce build to order products;

consolidating the substantially real-time information on the operating status in a remote monitoring system;

determine determining an operating status of the one ~~ore~~ or more pieces of equipment relative to a ship criteria associated with manufacturing the products, based on the substantially real-time data on operating status; and

display displaying the determined operating status within a user interface of the control center, wherein the displayed operating status indicates if a particular piece of equipment is fully functional or if the particular piece of equipment is inoperable.

16. (Original): The medium of Claim 15 further comprising logic operable to:
access a log to obtain information for monitoring the equipment;
determine if an error has occurred with one of the pieces of equipment;
notify the control center of the error; and
update the status for the piece of equipment.

17. (Original): The medium of Claim 16 further comprising logic operable to:
determine a reallocation of resources within the facility using a one or more WIP profiles;
reallocate the resources in response to the equipment encountering the error.

18. (Original): The medium of Claim 15 further comprising the logic operable to provide information in real-time from remote locations within the manufacturing facility.

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19. (Original): The medium of Claim 15 further comprising logic operable to automatically reallocate resources upon determining an error associated with a malfunctioning piece of equipment.

20. (Original): The medium of Claim 19 further comprising the logic operable to route product to a different portion of the manufacturing facility in response to determining the error.

21. (Original): The medium of Claim 15 further comprising logic operable to associate a process with the one or more pieces of equipment to provide a process monitor.

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